

## Product datasheet for **RR205524**

### **Dok4 (NM\_001108438) Rat Tagged ORF Clone**

#### Product data:

Product Type: Expression Plasmids  
Product Name: Dok4 (NM\_001108438) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Dok4  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR205524 representing NM\_001108438  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCGACCAATTTCAACGACATCGTCAAGCAAGGCTATGTGAAGATGAAGAGCAGGAAGCTTGGGATTT  
ACCGGAGGTGCTGGCTGGTGTCCGAAAATCTCCAGTAAGGGGCCAGCGCTGGAGAAGTATCCTGA  
TGAGAAGTCAGTGTGCCCTCCGAGGCTGCCCAAGGTGACTGAGATCAGCAACGTCAGTGTGTACAGG  
CTCCCCAAGGAGACCAAGAGACAGGCGGTGGCCATCATATTCACGGATGACTCTGCTCGACCTTCACTT  
GTGACTCAGAGCTGGAGGCAGAGGAGTGGTACAAGACTGTGACTAGAGTGTCTGGGATCACGGCTCAA  
TGACATCAGTCTGGGAGAGCCAGACCTCCTGGCCCCAGGAGTACAGTGTGAGCAGACAGATCGTTCAT  
GTCTTCTGTACCCTGCCCTAACCTGGACGTGTATGGCGAGTGCAAACTGCAGATCACTCACGAGAACA  
TCTACCTCTGGGACATACACAACCCCGCGTGAAGCTCGTCTCGTGGCCCTCTGCTCTTTGCGCCGTTA  
TGGCCGAGATGCCACACGATTTACCTTTGAGGCGGGCAGGATGTGTGACGCTGGGAAGGACTCTATACC  
TTTCAGACACAGGAGGGGAGCAGATTTACCAGCGGGTTCACAGTGCCACCCTGGCCATCGTGTGACGAG  
ACAAGCGGTCTGCTGGAATGGAGAAGAATGTGAGGCTGCTGAACAAGGGCACCGAGCACTACTCCTA  
TCCTGTACCCACGGCCATGCTGCCCGCAGTGCCTACTGGCACCATATCACGGTTCTCAGAATC  
GCTGAAGCCTCCAGCTATGGTGAAGGATATGGGGCAGCCAGGCCAGCTCAGAAACAGACCTCCTGAACA  
GATTCATCCTGCTTAAGCCAAAGCCTAGGCAGGAGGACAGCAGTGAACCAAGACCCCTCCCGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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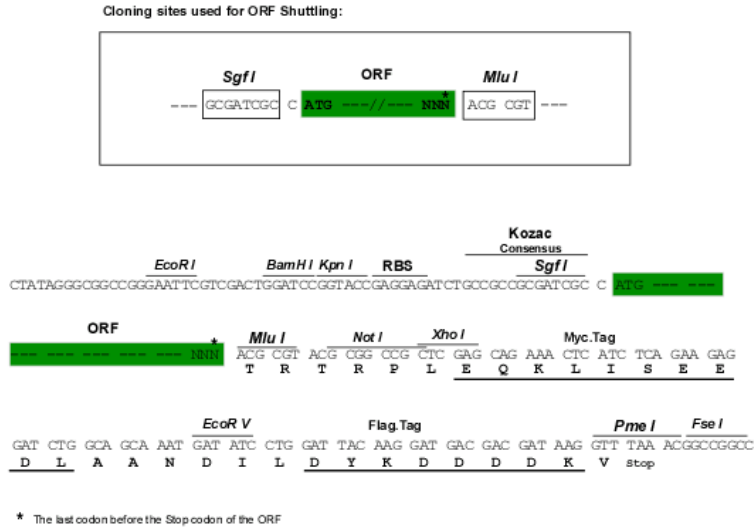
**Protein Sequence:** >RR205524 representing NM\_001108438  
Red=Cloning site Green=Tags(s)

MATNFNDIVKQGYVKMKSRLKGIYRRCWLVFRKSSSKGPQRLEKYPDEKSVCLRGCPKVTEISNVKCVTR  
 LPKETKRQAVAIIFTDDSDARTFTCDSELEAEWYKTL SVECLGSR LNDISLGE PDLLAPGVQCEQTD RFN  
 VFLLPCPNLDVYGECKLQITHE NIYLWDIHNPRVKLVSWPLCSL RRYGRDATRFTFEAGRMCDAGEGLYT  
 FQTQEGEQIYQRVHSATLAI AEQHKRVLLEMEKNVRLNKGTEHYSYPCPTAMLPR SAYWHHITGSQNI  
 AEASSYGEGYGA AQASSETDLLNRFILLKPKPRQEDSSETKT PPQ

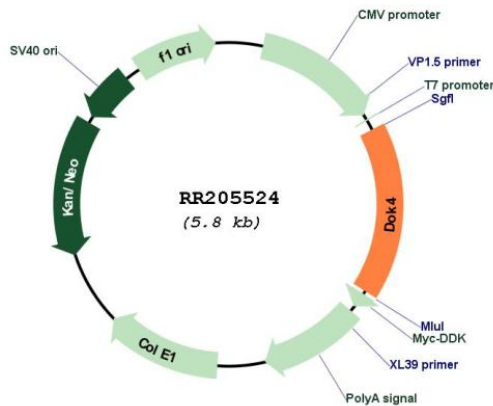
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001108438

<b>ORF Size:</b>	975 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001108438.2</a> , <a href="#">NP_001101908.1</a>
<b>RefSeq Size:</b>	1554 bp
<b>RefSeq ORF:</b>	978 bp
<b>Locus ID:</b>	361364
<b>Cytogenetics:</b>	19p13
<b>MW:</b>	37.1 kDa